

ABSTRACT

The invention provides isolated nucleic acids molecules, designated 22437 nucleic acid molecules, which encode a novel sulfatase. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing 22437 nucleic acid molecules, host cells into which the expression vectors have been introduced, and non-human transgenic animals in which a 22437 gene has been introduced or disrupted. The invention still further provides isolated 22437 proteins, fusion proteins, antigenic peptides and anti-22437 antibodies. Diagnostic methods utilizing compositions of the invention are also provided. 22437 expression and activity can be modulated in order to affect tumor establishment, growth, and metastasis, neuron growth, angiogenesis, and wound healing.